ELSEVIER

Aquacultural Engineering **13** (1994) 325–326
© 1994 Elsevier Science Limited
Printed in Great Britain. All rights reserved

Contents of Volume 13

Number 1

1 Calanoid Copepod Resting Eggs Can be Surface-Disinfected
T. NÆSS & Ø. BERGH (Norway)

11 Sludge Management in Intensive Pond Culture of Shrimp: Effect of Management Regime on Water Quality, Sludge Characteristics, Nitrogen Extinction, and Shrimp Production
J. S. HOPKINS, P. A. SANDIFER & C. L. BROWDY (USA)

31 Gas Supersaturation in Surface Waters of Aquaculture Ponds
C. E. BOYD, B. J. WATTEN (USA), V. GOUBIER (France) & R. WU (People's Republic of China)

41 Effect of Subatmospheric Pressure on the Performance of an Automated Packed- Column Nitrogen Desorption System
B. J. WATTEN, W. J. RIDGE & V. A. MUDRAK (USA)

59 Comparison of Raceway and Cylindroconical Tanks for Brackish-water Production of Juvenile Florida Red Tilapia under High Stocking Densities
S. C. ELLIS & W. O. WATANABE (USA)

Short Communication

71 An Effective Biofilter Type for Eel Culture in Recirculating Systems
R. KNÖSCHE (Germany)

Number 2

83 Modeling Photosynthetic Production Optimization for Aquaculture Ponds
P. GIOVANNINI & R. H. PIEDRAHITA (USA)

101 Increasing Attached Microorganism Biomass as a Management Strategy for Nile Tilapia (*Oreochromis niloticus*) Production
M. K. SHRESTHA (Thailand) & C. F. KNUD-HANSEN (USA)

109 Effect of Pump Speed on Injuries to Channel Catfish (*Ictalurus punctatus*) during Harvest with a Turbine Pump
J. M. GRIZZLE & L. L. LOVSHIN (USA)

115 Rating Soil and Water Information for Aquaculture
B. F. HAJEK & C. E. BOYD (USA)

129 Treatment of Alligator Farm Wastewater using Land Application
J. H. PARDUE, R. D. DELAUNE, W. H. PATRICK, JR & J. A. NYMAN (USA)

Short Communications

147 Zeolites in Marine Nitrogen Transformations
J. L. LÓPEZ-RUIZ & M. E. GÓMEZ-GARRUDO (Spain)

153 An Approach to the Construction of a Simple and Low-Cost Aeration System for Rotifer Culture
B. SKARAMUCA (Croatia)

Number 3

163 Modeling Surfactant Removal in Foam Fractionation: I—Theoretical Development
S. CHEN, M. B. TIMMONS, J. J. BISOGNI JR & D. J. ANESHANSLEY (USA)

183 Modeling Surfactant Removal in Foam Fractionation: II—Experimental Investigations
S. CHEN, M. B. TIMMONS, J. J. BISOGNI JR & D. J. ANESHANSLEY (USA)

201 Conditioning as an Aid to Fish Harvest
L. E. LEVIN & A. F. LEVIN (Venezuela)

211 Effects of Reduced Waterflow (Increased Loading) in Soft Water on Atlantic Salmon Smolts (*Salmo salar* L.) While Maintaining Oxygen at Constant Level by Oxygenation of the Inlet Water
S. FIVELSTAD & M. BINDE (Norway)

239 Announcement

Number 4

241 Design and Maintenance of a Closed Artificial Seawater System for Long-Term Holding of Bivalve Shellfish
R. J. MACMILLAN, R. J. CAWTHORN, S. K. WHYTE & P. R. LYON (Canada)

251 An Experimental System for Small-Scale Experiments with Marine Fish and Crustaceans
P. R. HART, W. G. HUTCHINSON & G. J. PURSER (Australia)

257 Effects of Feeding Frequency on Metabolism of Juvenile Walleye
T. K. YAGER & R. C. SUMMERFELT (USA)

283 *Gracilaria chilensis* Outdoor Tank Cultivation in Chile: Use of Land-based Salmon Culture Effluents
A. H. BUSCHMANN, O. A. MORA, P. GÓMEZ, M. BÖTTGER, S. BUITANO, C. RETAMALES, P. A. VERGARA & A. GUTIERREZ (Chile)

301 Using Brine Shrimp as a Drug Carrier for Therapeutic Applications in Aquaculture
A. AGUILAR-AGUILA, A. TEJEDA MANSIR & A. RUIZ MANRÍQUEZ (Mexico)

311 Oral Delivery in Aquaculture: Controlled Release of Proteins from Chitosan–Alginate Microcapsules
A. E. POLK, B. AMSDEN, D. J. SCARRATT (Canada), A. GONZAL (Philippines), A. O. OKHAMAFE (Nigeria) & M. F. A. GOOSEN (Canada)